

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1553	606/48-50.cds.	US-PGPUB; USPAT	OR	OFF	2006/12/17 11:45
S2	350	S1 and gas and electrode\$1	US-PGPUB; USPAT	OR	OFF	2006/12/17 11:48
S3	127	S2 and argon	US-PGPUB; USPAT	OR	OFF	2006/12/17 13:03
S4	0	S3 and "o\$1ring"	US-PGPUB; USPAT	OR	OFF	2006/12/17 11:48
S5	9	S3 and "o-ring"	US-PGPUB; USPAT	OR	OFF	2006/12/17 11:48
S6	2	((("5306238") or ("5098430"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/17 12:51
S7	91	S3 and @ad< "20020904"	US-PGPUB; USPAT	OR	OFF	2006/12/17 13:58
S8	4029	606/32-41.cds.	US-PGPUB; USPAT	OR	OFF	2006/12/17 13:58
S9	135649	S8 and argon or "inert gas"	US-PGPUB; USPAT	OR	OFF	2006/12/17 13:59
S10	325	S8 and (argon or "inert gas")	US-PGPUB; USPAT	OR	OFF	2006/12/17 13:59
S11	230	S10 and @ad< "20020904"	US-PGPUB; USPAT	OR	OFF	2006/12/17 13:59
S12	188	S11 and electrode\$1 and (cap or tip or sheath)	US-PGPUB; USPAT	OR	OFF	2006/12/17 14:42
S13	8	S12 and "o-ring"	US-PGPUB; USPAT	OR	OFF	2006/12/17 14:00
S14	14	(US-20020022838-\$).did. or (US-7094234-\$ or US-6558383-\$ or US-6780184-\$ or US-6149648-\$ or US-5693044-\$ or US-6679880-\$ or US-6958063-\$ or US-5836897-\$ or US-5098430-\$ or US-5306238-\$ or US-6142995-\$ or US-6475215-\$ or US-7004939-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/12/18 09:41
S15	6	S14 and "o-ring"	US-PGPUB; USPAT	OR	OFF	2006/12/18 09:41
S16	13	(US-20020022838-\$).did. or (US-6558383-\$ or US-6780184-\$ or US-6149648-\$ or US-5693044-\$ or US-6679880-\$ or US-6958063-\$ or US-5836897-\$ or US-5098430-\$ or US-5306238-\$ or US-6142995-\$ or US-6475215-\$ or US-7004939-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/12/18 10:44
S17	4	S16 and "friction fit"	US-PGPUB; USPAT	OR	OFF	2006/12/18 11:16
S18	776	219/121.36,121.39.cds.	US-PGPUB; USPAT	OR	OFF	2006/12/18 11:18
S19	584	219/121.36,121.39.cds. and @ad< "20020904"	US-PGPUB; USPAT	OR	OFF	2006/12/18 11:18

S20	25	S19 and gas and electrode and insulat\$3 and handle and (tube or sheath or cover or collar or shroud)	US-PGPUB; USPAT	OR	OFF	2006/12/18 11:19
S21	4	S20 and "o-ring"	US-PGPUB; USPAT	OR	OFF	2006/12/18 11:21
S22	953	electrosurgical and gas and electrode\$1	US-PGPUB; USPAT	OR	OFF	2006/12/18 11:22
S23	592	electrosurgical and gas and electrode\$1 and @ad<"20020904"	US-PGPUB; USPAT	OR	OFF	2006/12/18 11:22
S24	386	S23 and insulat\$3 and (tube or sheath or shroud or cover or collar) and (detachable or removable or attach\$4)	US-PGPUB; USPAT	OR	OFF	2006/12/18 11:24
S25	279	S24 and ("o-ring" or seal\$3 or "leaf spring")	US-PGPUB; USPAT	OR	OFF	2006/12/18 11:24
S26	222	S25 and handle	US-PGPUB; USPAT	OR	OFF	2006/12/18 11:25
S27	14	S26 and "friction fit"	US-PGPUB; USPAT	OR	OFF	2006/12/18 11:25
S28	2521	606/167,170,172.ccls.	US-PGPUB; USPAT	OR	OFF	2006/12/18 11:38
S29	1948	606/167,170,172.ccls. and @ad<"20020904"	US-PGPUB; USPAT	OR	OFF	2006/12/18 11:38
S30	1	S29 and electrode and tube and gas and detachable and (displaceable or slidabl\$1) and "o-ring"	US-PGPUB; USPAT	OR	OFF	2006/12/18 11:43
S31	1553	606/48-50.ccls.	US-PGPUB; USPAT	OR	OFF	2006/12/18 11:43
S32	0	S31 and electrode and tube and gas and detachable and (displaceable or slidabl\$1) and "o-ring"	US-PGPUB; USPAT	OR	OFF	2006/12/18 11:43
S33	13	(US-20020022838-\$).did. or (US-6558383-\$ or US-6780184-\$ or US-6149648-\$ or US-5693044-\$ or US-6679880-\$ or US-6958063-\$ or US-5836897-\$ or US-5098430-\$ or US-5306238-\$ or US-6142995-\$ or US-6475215-\$ or US-7004939-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/12/18 11:44
S34	5	S33 and "o-ring"	US-PGPUB; USPAT	OR	OFF	2006/12/18 11:44
S35	12	("3903991"   "4014343"   "4060088"   "4311145"   "4545375"   "4711238"   "4901719"   "5061768"   "5195959"   "5306238"   "5836944"   "5972416").PN. OR ("6558383").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/18 13:29
S36	36	("1741740"   "2022065"   "2056377"   "2310844"   "2447169"   "2487502"   "3234356"   "3494364"   "3901242"   "3903892"   "3920021"   "3938527"   "4051855"   "4085756"   "4174715"   "4181131"   "4273137"   "4301802"   "4325374"   "4418692"   "4474174"   "4485812").PN. OR ("4711238").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/18 13:52

S37	14	(US-20020022838-\$).did. or (US-6558383-\$ or US-6780184-\$ or US-6149648-\$ or US-5693044-\$ or US-6679880-\$ or US-6958063-\$ or US-5836897-\$ or US-5098430-\$ or US-5306238-\$ or US-6142995-\$ or US-6475215-\$ or US-7004939-\$ or US-4711238-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/12/18 14:41
S38	5	S37 and "o-ring"	US-PGPUB; USPAT	OR	OFF	2006/12/18 14:41
S39	4203	"O-ring"	US-PGPUB; USPAT	OR	OFF	2006/12/18 14:50
S40	105205	"o-ring"	US-PGPUB; USPAT	OR	OFF	2006/12/18 14:50
S41	105205	"O-ring"	US-PGPUB; USPAT	OR	OFF	2006/12/18 14:50
S42	115381	"o ring"	US-PGPUB; USPAT	OR	OFF	2006/12/18 14:50
S43	93	"O-ring" and gas and electrode and @ad<"20020904" and (tube or sheath)	US-PGPUB; USPAT	OR	OFF	2006/12/18 14:56
S44	833	"o-ring" and "inert gas" and electrode and @ad<"20020904" and (tube or sheath)	US-PGPUB; USPAT	OR	OFF	2006/12/18 14:57
S45	497	"o-ring" and "inert gas" and electrode and (cut\$3 or ablat\$3) and @ad<"20020904" and (tube or sheath)	US-PGPUB; USPAT	OR	OFF	2006/12/18 14:57
S46	57	"o-ring" and "inert gas" and electrode and (cut\$3 or ablat\$3) and @ad<"20020904" and (tube or sheath) and (slidable or slidably)	US-PGPUB; USPAT	OR	OFF	2006/12/18 15:14
S47	2	"leaf spring" and "inert gas" and electrode and (cut\$3 or ablat\$3) and @ad<"20020904" and (tube or sheath) and (slidable or slidably)	US-PGPUB; USPAT	OR	OFF	2006/12/18 15:17
S48	0	"elastic sealing ring" and "inert gas" and electrode and (cut\$3 or ablat\$3) and @ad<"20020904" and (tube or sheath) and (slidable or slidably)	US-PGPUB; USPAT	OR	OFF	2006/12/18 15:17
S49	3	((("5,088,997") or ("6,802,249") or ("7,004,939")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/19 11:47
S50	0	("1andgasandelectrodeandseal\$3").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/19 11:48
S51	3	S49 and gas and electrode and seal\$3	US-PGPUB; USPAT	OR	OFF	2006/12/19 11:48
S52	14	("3595239"   "4209018"   "4781175"   "5041110"   "5088997"   "5108389"   "5152762"   "5160334"   "5217457"   "5244462"   "5324283").PN. OR ("6602249").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/19 12:11
S53	15	("2708933"   "2828747"   "4040426"   "4060088"   "4781175"   "4901719"   "4927420"   "5088997"   "5098430"   "5186714"   "5720745"   "6149648"   "6602249").PN. OR ("7004939").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/19 12:13

S54	16	(US-20020022838-\$).did. or (US-6558383-\$ or US-6780184-\$ or US-6149648-\$ or US-5693044-\$ or US-6679880-\$ or US-6958063-\$ or US-5836897-\$ or US-5098430-\$ or US-5306238-\$ or US-6142995-\$ or US-6475215-\$ or US-7004939-\$ or US-4711238-\$ or US-4901719-\$ or US-4781175-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/12/19 13:54
S55	5	S54 and ("o-ring" or "O-ring" or "gas seal")	US-PGPUB; USPAT	OR	OFF	2006/12/19 13:56
S56	0	S54 and (gas near seal\$3)	US-PGPUB; USPAT	OR	OFF	2006/12/19 13:57
S57	18	(US-20020022838-\$).did. or (US-6558383-\$ or US-6780184-\$ or US-6149648-\$ or US-5693044-\$ or US-6679880-\$ or US-6958063-\$ or US-5836897-\$ or US-5098430-\$ or US-5306238-\$ or US-6142995-\$ or US-6475215-\$ or US-7004939-\$ or US-4711238-\$ or US-4901719-\$ or US-4781175-\$ or US-6602249-\$ or US-5088997-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/12/19 13:56
S58	1	S57 and (gas near seal\$3)	US-PGPUB; USPAT	OR	OFF	2006/12/19 14:01
S59	1	("5,836,909").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/19 14:01
S60	26	("3527203"   "4149315"   "4493694"   "4744360"   "4776840"   "5195958"   "5607391"   "5607420"   "5658249"   "5685877").PN. OR ("5836909").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/19 14:03
S61	19	(US-20020022838-\$).did. or (US-6558383-\$ or US-6780184-\$ or US-6149648-\$ or US-5693044-\$ or US-6679880-\$ or US-6958063-\$ or US-5836897-\$ or US-5098430-\$ or US-5306238-\$ or US-6142995-\$ or US-6475215-\$ or US-7004939-\$ or US-4711238-\$ or US-4901719-\$ or US-4781175-\$ or US-6602249-\$ or US-5088997-\$ or US-5836909-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/12/19 14:04
S62	6	S61 and (o near ring)	US-PGPUB; USPAT	OR	OFF	2006/12/19 14:05
S63	1	("5,836,909").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/21 09:13
S64	19	(US-20020022838-\$).did. or (US-5836909-\$ or US-7004939-\$ or US-6958063-\$ or US-6780184-\$ or US-6679880-\$ or US-6558383-\$ or US-6475215-\$ or US-6142995-\$ or US-6149648-\$ or US-5693044-\$ or US-5088997-\$ or US-5836897-\$ or US-6602249-\$ or US-4781175-\$ or US-5098430-\$ or US-5306238-\$ or US-4901719-\$ or US-4711238-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/12/21 09:42
S65	7	S64 and ceramic	US-PGPUB; USPAT	OR	OFF	2006/12/21 09:43
S66	8	S64 and ceramic\$1	US-PGPUB; USPAT	OR	OFF	2006/12/21 09:43

S67	19	((US-20020022838-\$).did. or (US-7004939-\$ or US-6958063-\$ or US-6780184-\$ or US-6679880-\$ or US-6558383-\$ or US-6475215-\$ or US-6149648-\$ or US-6142995-\$ or US-5693044-\$ or US-5088997-\$ or US-5836897-\$ or US-6602249-\$ or US-4781175-\$ or US-5306238-\$ or US-5098430-\$ or US-4711238-\$ or US-4901719-\$ or US-5836909-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/10/15 07:30
S69	588283	"9" and conductive	US-PGPUB; USPAT	OR	OFF	2007/10/15 07:30
S70	17	S67 and conductive	US-PGPUB; USPAT	OR	OFF	2007/10/15 07:30
S71	3413	606/41.cds.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/17 16:54
S72	3958251	@ad< "20020904"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/17 16:54
S73	33037	(gas) and (current) and ((electrode conductive) with (hollow lumen channel conduit))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/17 16:57
S74	546	S73 and S71	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/17 16:58
S75	310	S74 and S72	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/17 16:58
S76	13216	(current) and ((electrode conductive) with (tube pipe tubular hollow conduit lumen channel) with (gas))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/17 16:59
S77	86	S76 and S71	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/17 16:59
S78	42	S77 and S72	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/17 16:59
S79	18021	((electrode conductive) with (tube pipe tubular hollow conduit lumen channel) with (gas))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/17 17:00
S80	2078	(electrode conductive) with (tube pipe tubular hollow conduit lumen channel) with (gas near4 (inside within interior))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/17 17:01
S81	927	S80 and S72	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/17 17:01
S82	5	S81 and S71	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/17 17:01
S83	1	("4,060,088").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/17 17:04
S84	73	("3434476"   "3569661"   "3692973"   "3699967"   "3832513").PN. OR ("4060088").UPPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/17 17:04

S85	68	S84 and gas	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/17 17:04
S86	59	S85 and S72	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/17 17:04
S87	1106	606/45.cds.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/17 17:22
S88	10	S80 and S87	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/17 17:22
S89	1808	606/1.cds.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/17 17:24
S90	0	S89 and S80	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/17 17:24
S91	4	S89 and S79	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/17 17:25
S92	451	128/203.27.cds.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/17 17:27
S93	163	S92 and S72	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/17 17:27
S94	18	S93 and electrode	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/17 17:28
S95	20	(US-20020022838-\$).did. or (US-6958063-\$ or US-6780184-\$ or US-6679880-\$ or US-6475215-\$ or US-6149648-\$ or US-6142995-\$ or US-5693044-\$ or US-5088997-\$ or US-6602249-\$ or US-4781175-\$ or US-5098430-\$ or US-4711238-\$ or US-4901719-\$ or US-4060088-\$ or US-7004939-\$ or US-6558383-\$ or US-5836897-\$ or US-5306238-\$ or US-5836909-\$).did.	US-PGPUB; USPAT	OR	OFF	2008/07/18 16:14
S96	7	S95 and ceramic	US-PGPUB; USPAT	OR	OFF	2008/07/18 16:14

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